

Amendment to the Specification:

Please replace the paragraph beginning on page 5, line 4 with the following rewritten paragraph:

-- Whichever type of particle is used they should be covered with a thin layer or ~~covering 24~~ covering 54 of a lyophobic material with low contact angle hysteresis. The lyophobic material should be an insulator. Suitable particles would be conductive silver particles encased with lyophobic and dielectric mercaptan. It will be understood by those skilled in the art that this is an example only and any conductive material and lyophobic dielectric covering could be used within the terms of the invention. Figure 5 illustrates a possible core shell arrangement of the particles. The ~~core 26~~ core 56 may be a cheap insulating particle such as silica. A metal shell 36 encapsulates each ~~core 26~~ core 56. The layer of lyophobic ~~material 24~~ material 54 surrounds the shelled particles. The ~~layer 24~~ layer 54 may be made of, for example, polymer. Other materials that may be used include a polyelectrolyte, a fluoropolymer, a self assembled monolayer, SAM, or an inorganic shell. However the invention is not to be taken as limited to these materials. The metallic component of the particles 30 in the ~~layer 6~~ layer 8 should be connected and the lyophobic ~~covering 24~~ covering 54 completely encapsulate the structure.--

Please replace the paragraph beginning on page 8, line 17 with the following rewritten paragraph:

--The embodiment is similar in many ways to that shown in Figure 1. The three layers of particles are substantially the same as layers 6, 8 and 10 illustrated in Figure 1 and therefore will be labelled the same. Between each layer there is provided a conductor 14 for connection with the liquid. This conductor may comprise wire filaments. Conductors 20 and 22 are in connection with layers 8 and 10 as described above. An insulating layer 16 is located below the lowest ~~layer 12~~ layer 10. The element is encapsulated by an upper substrate 24 and a lower substrate 26. The upper substrate must be of a transparent material.--